

Function of intermediate voltage plate in relay protection



Overview

Distance relays, also known as impedance relay, differ in principle from other forms of protection in that their performance is not governed by the magnitude of the current or voltage in the protected circuit but rather on the ratio of these two quantities. Overview In a protective relay is a device designed to trip a when a is detected. The first protective relays were electromagnetic devices, relying on coils operating on moving par. Electromechanical protective relays operate by either, or. Unlike switching type electromechanical with fixed and usually ill-defined operating voltage thresholds. Electromechanical relays can be classified into several different types as follows: "Armature"-type relays have a pivoted lever supported on a hinge or knife-edge pivot, which carries a moving contact. These relays may.



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The relay must be able to discriminate (select) between those conditions for which prompt operation is required and those for which no operation, or time delayed operation is required.

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In other words, the prime function of protective relays is the timely and discriminative clearance of system faults. In practice a particular relay is usually set to ensure that its response is ...

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As voltage passes through the wire, it generates an electromagnetic field. If the voltage deviates from the set metrics, the relay wire will trip the system, turning off the electricity. Essentially, ...

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